

Figure 1

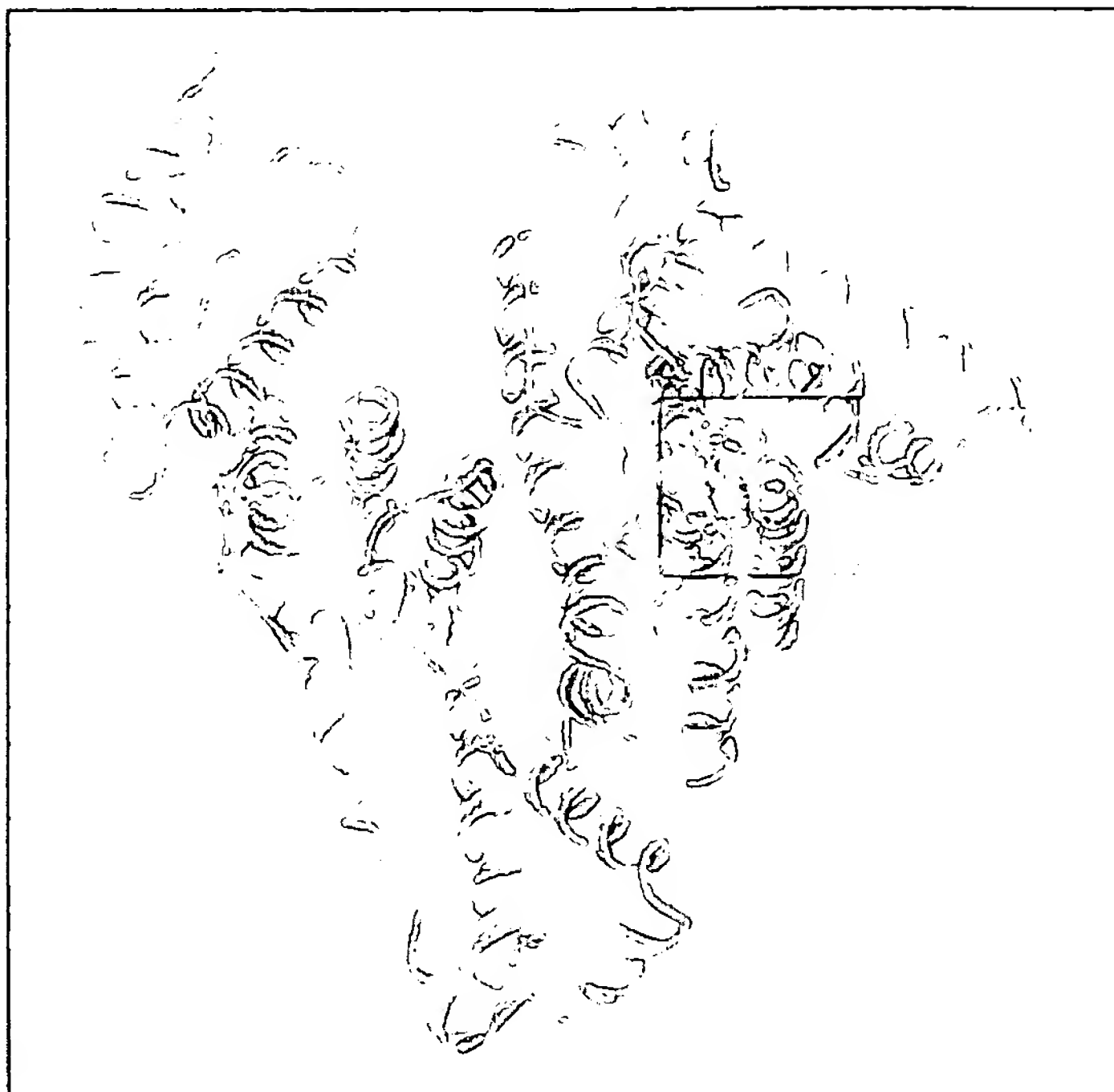


Figure 2

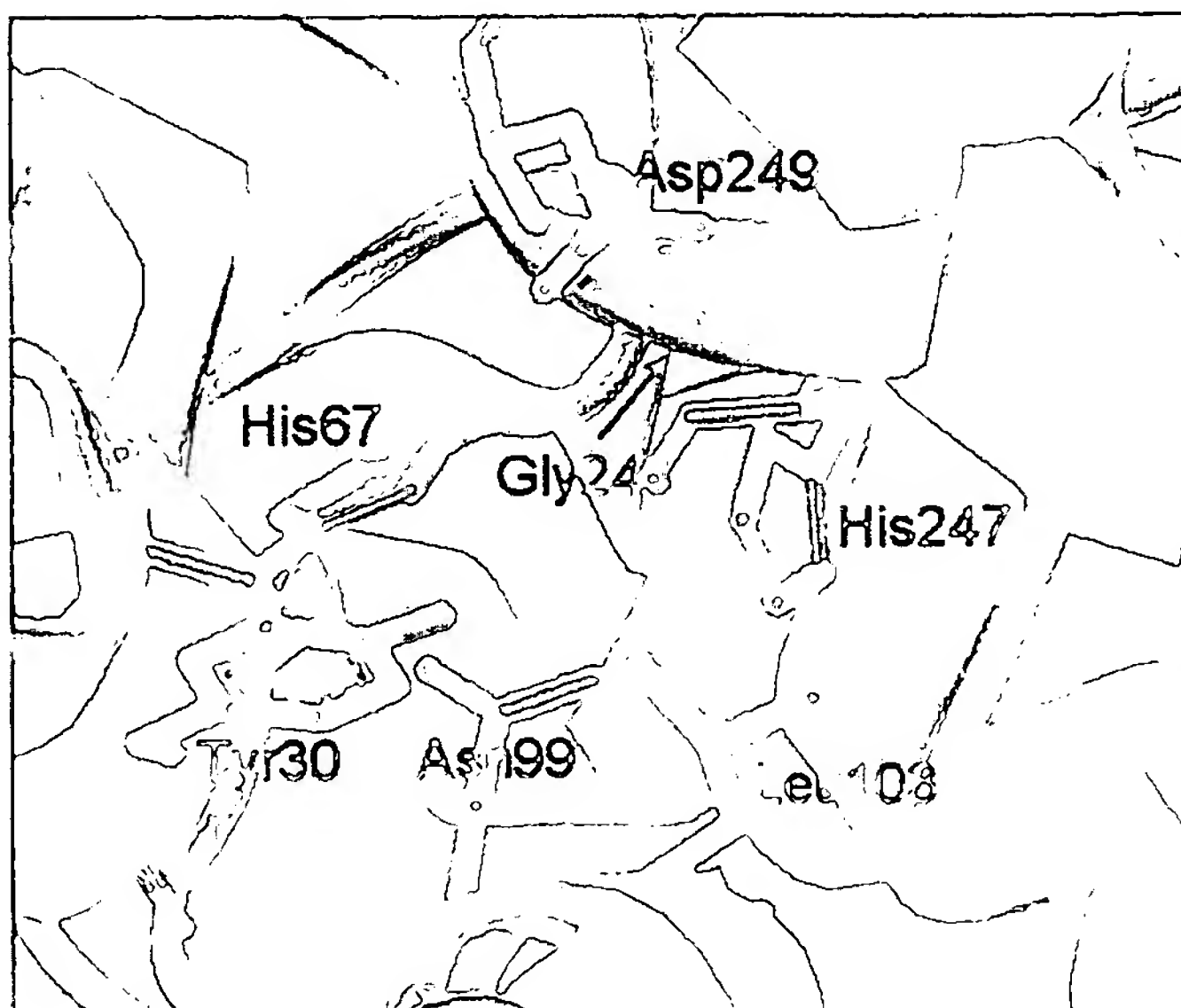


Figure 3a

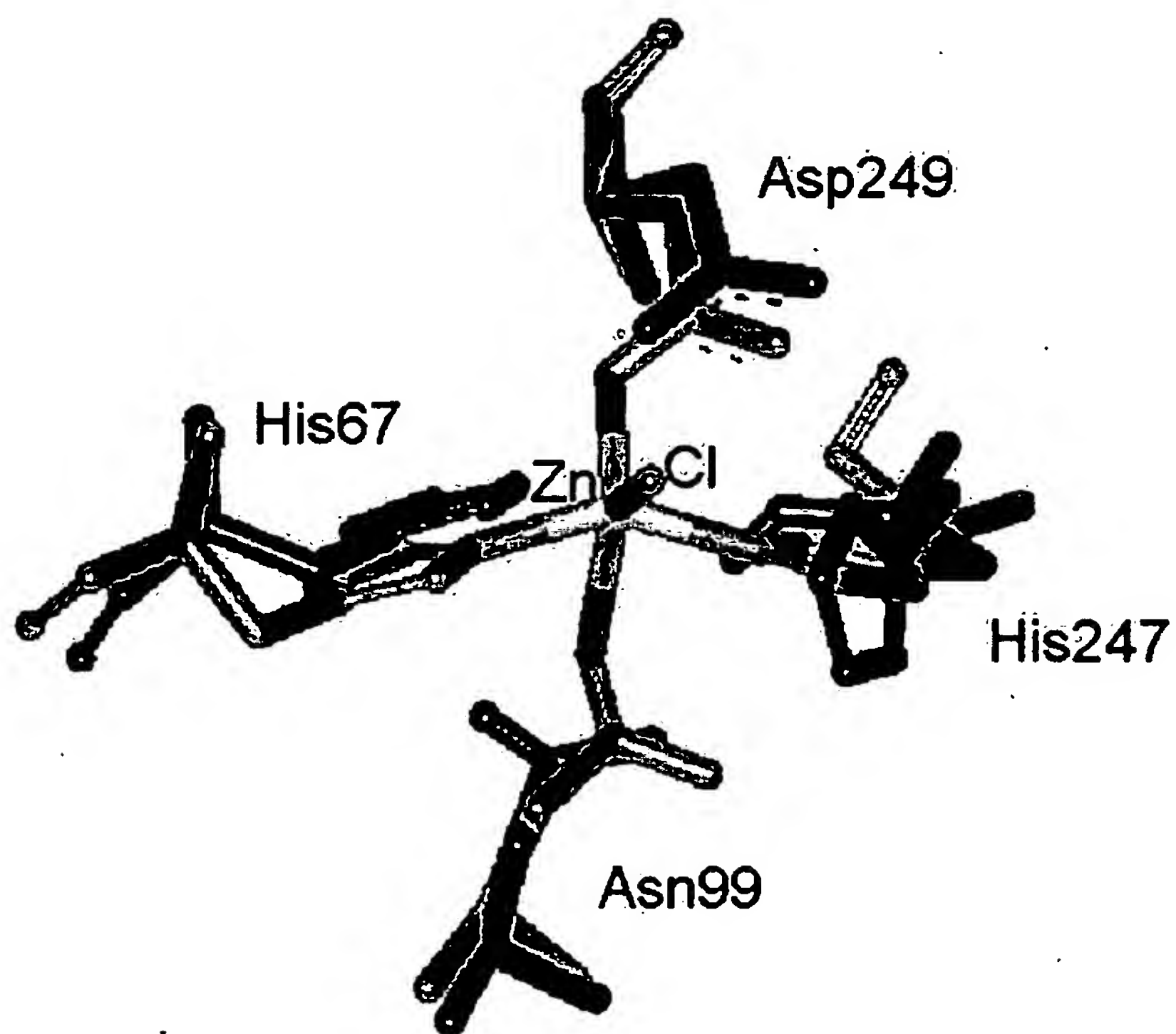


Figure 3b

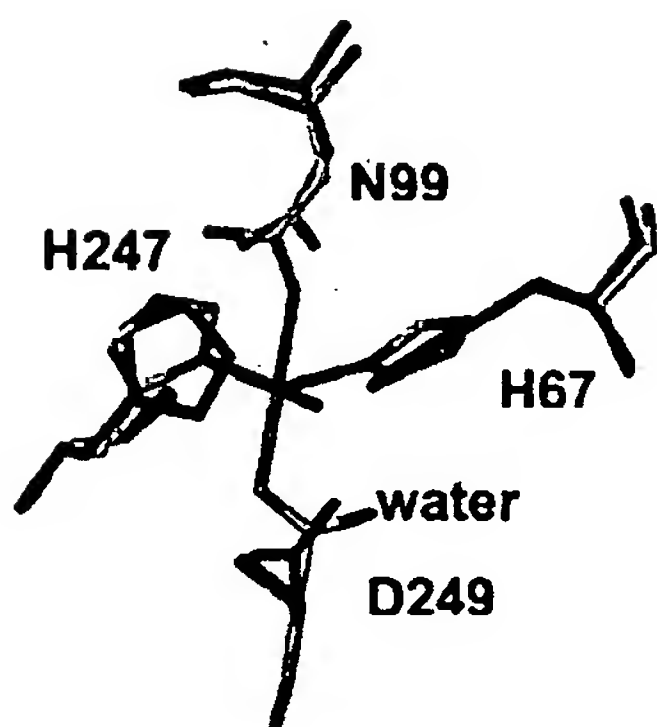
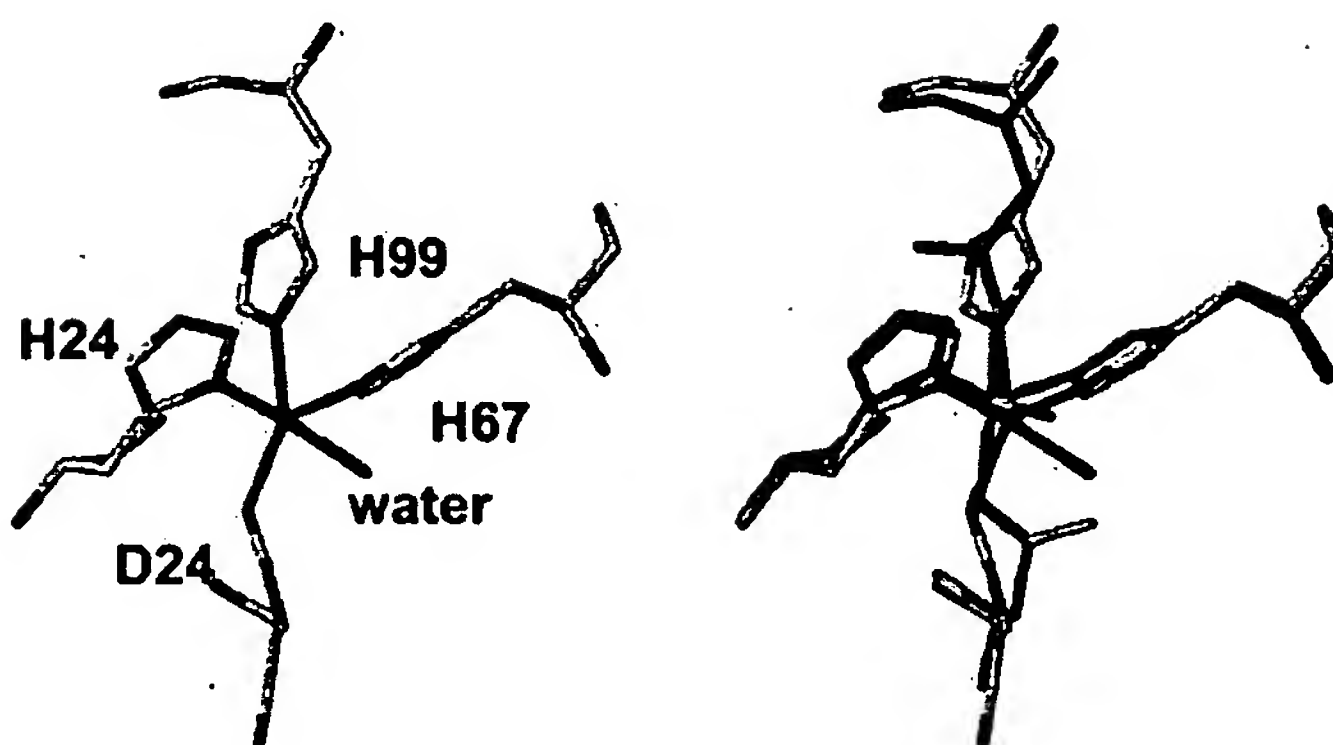


Figure 3c



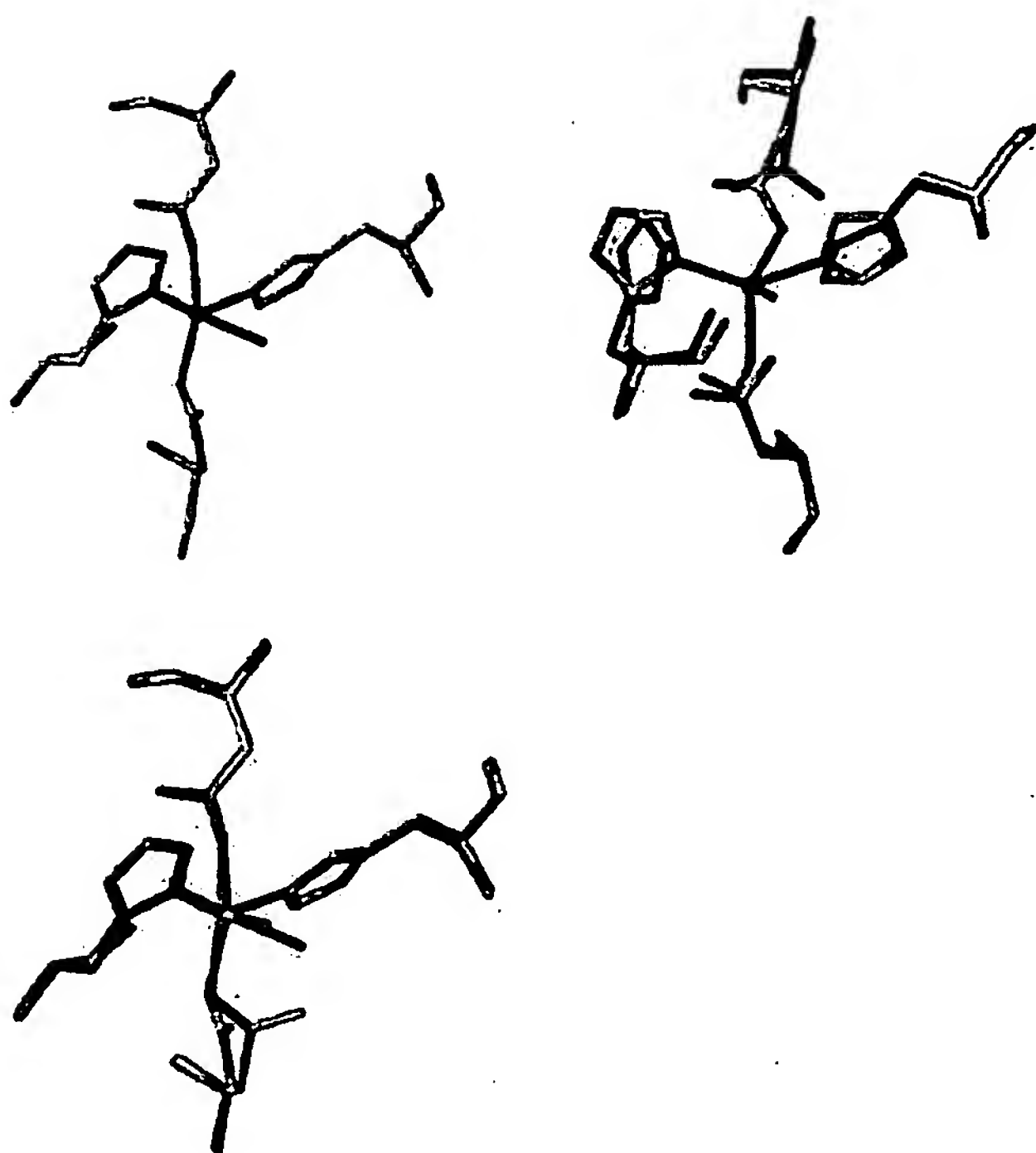


Figure 3d

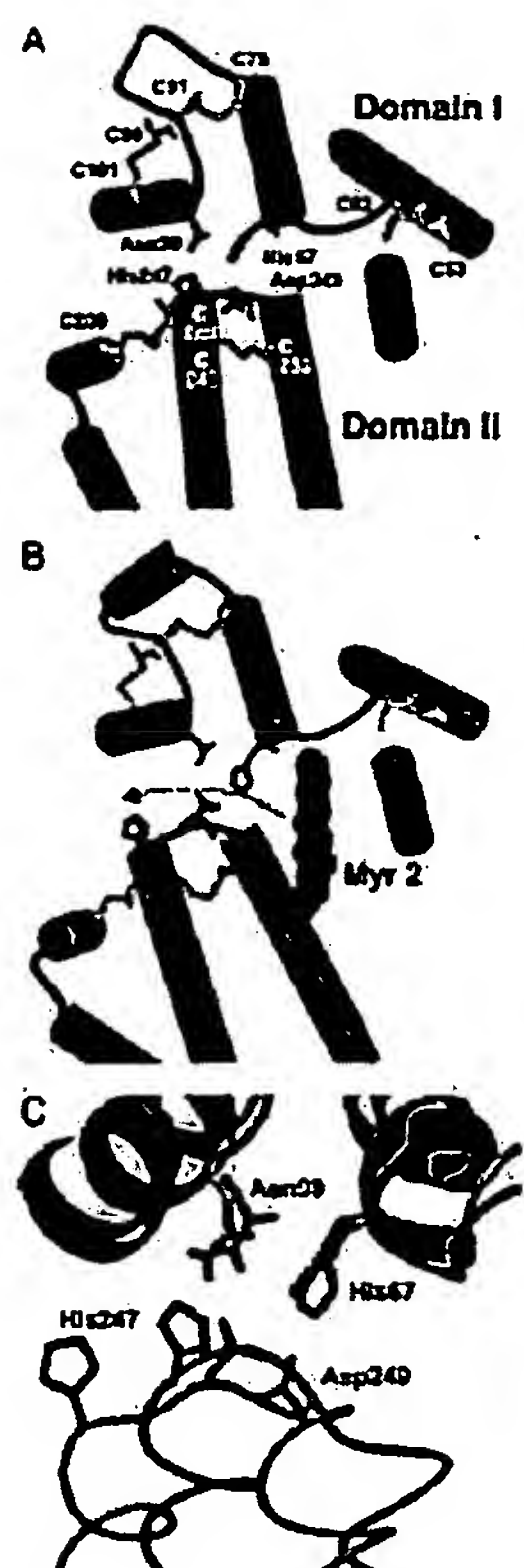


Figure 3e

Figure 4

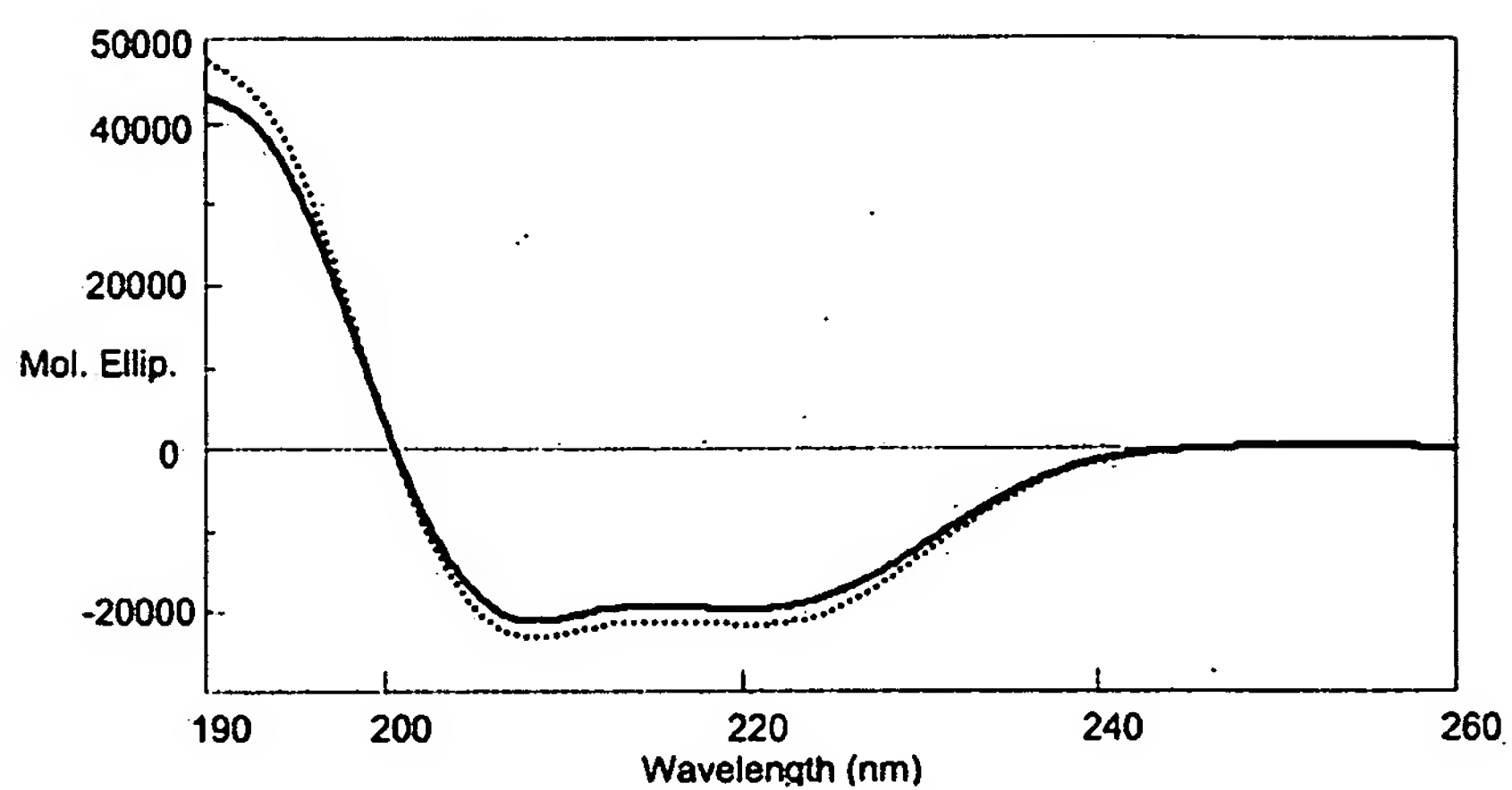


Figure 5

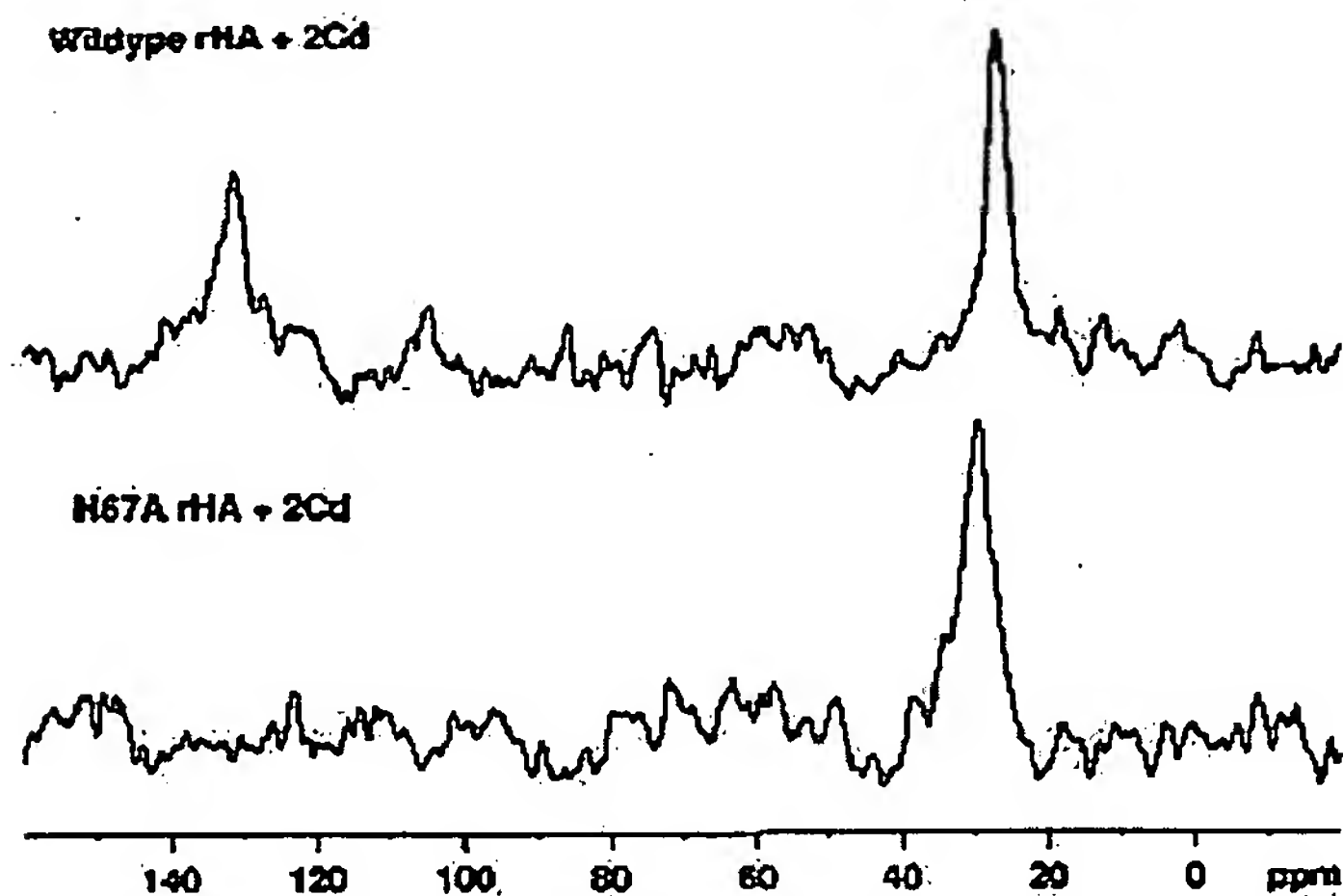


Figure 6

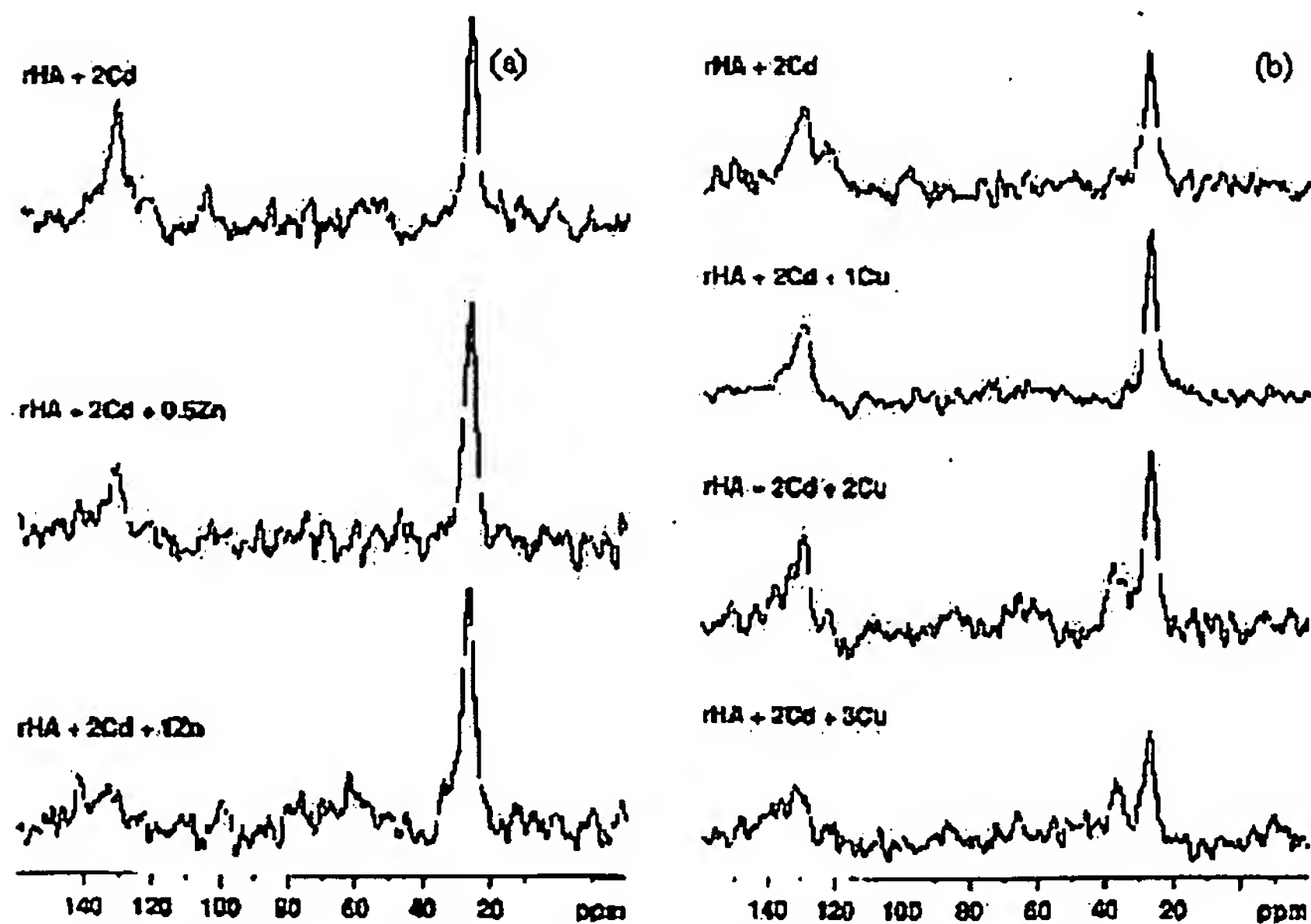


Figure 7

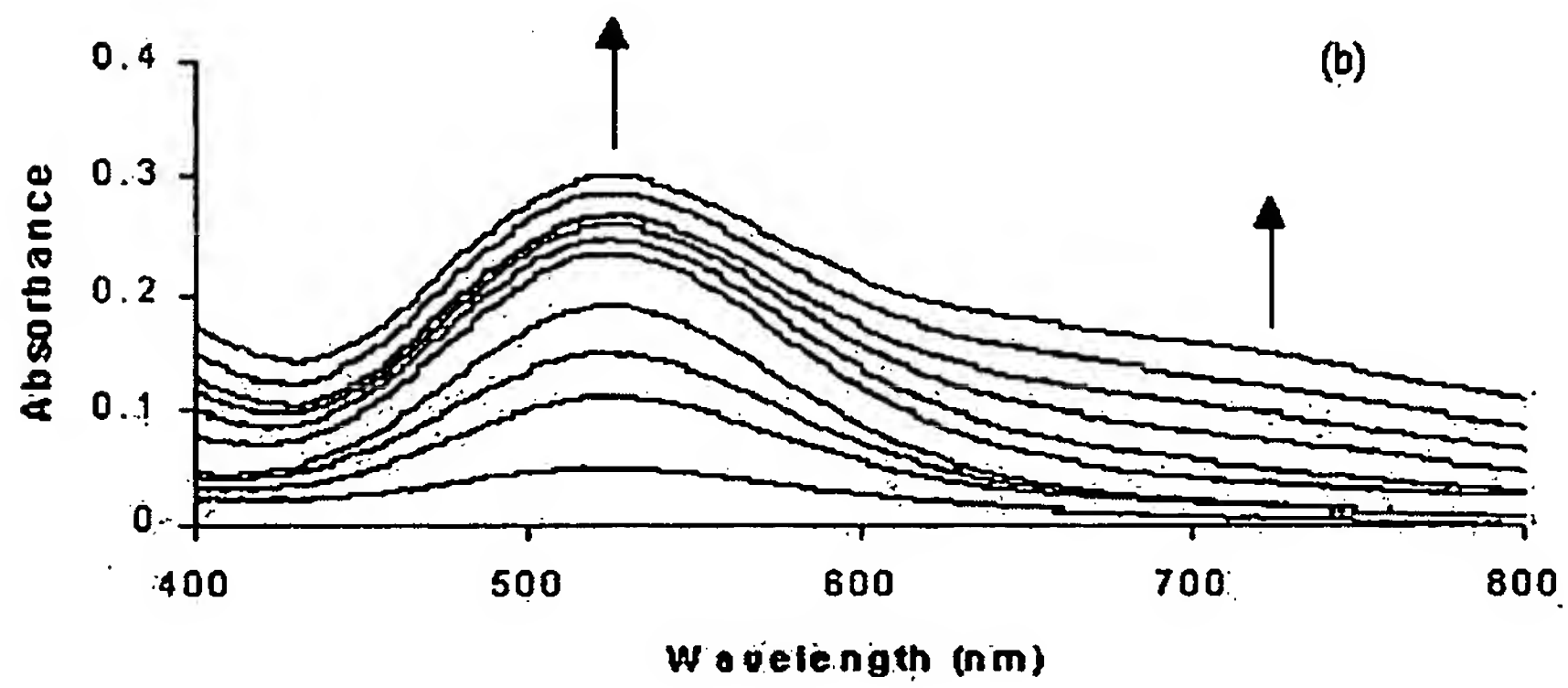
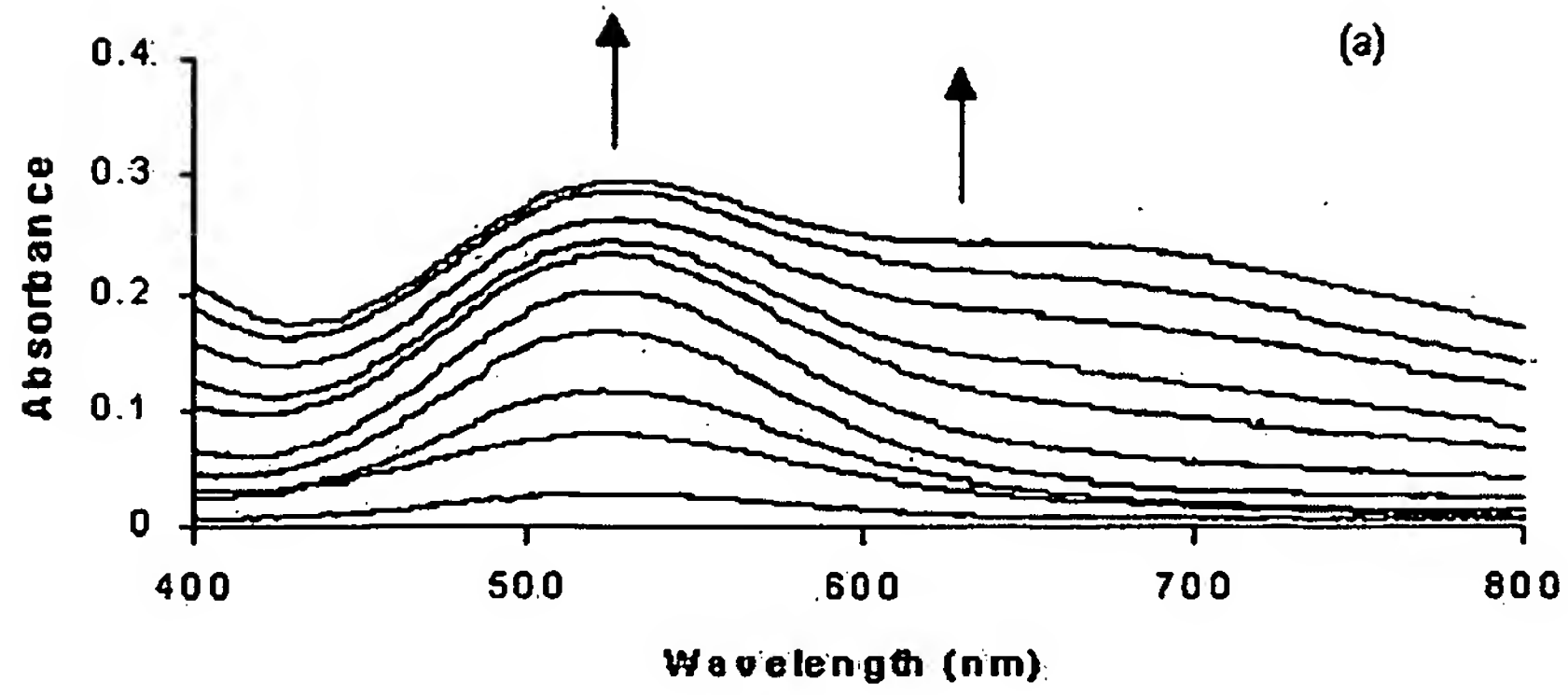


Figure 8

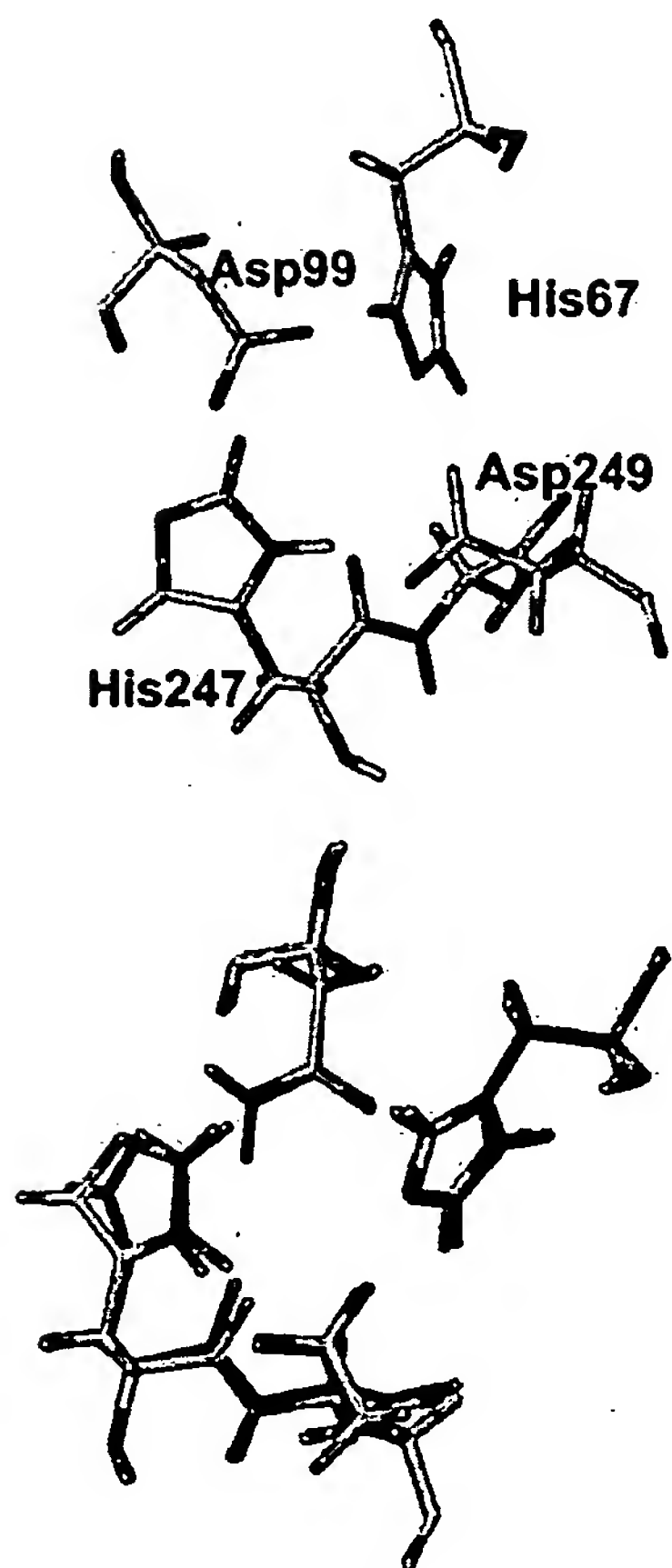


Figure 9

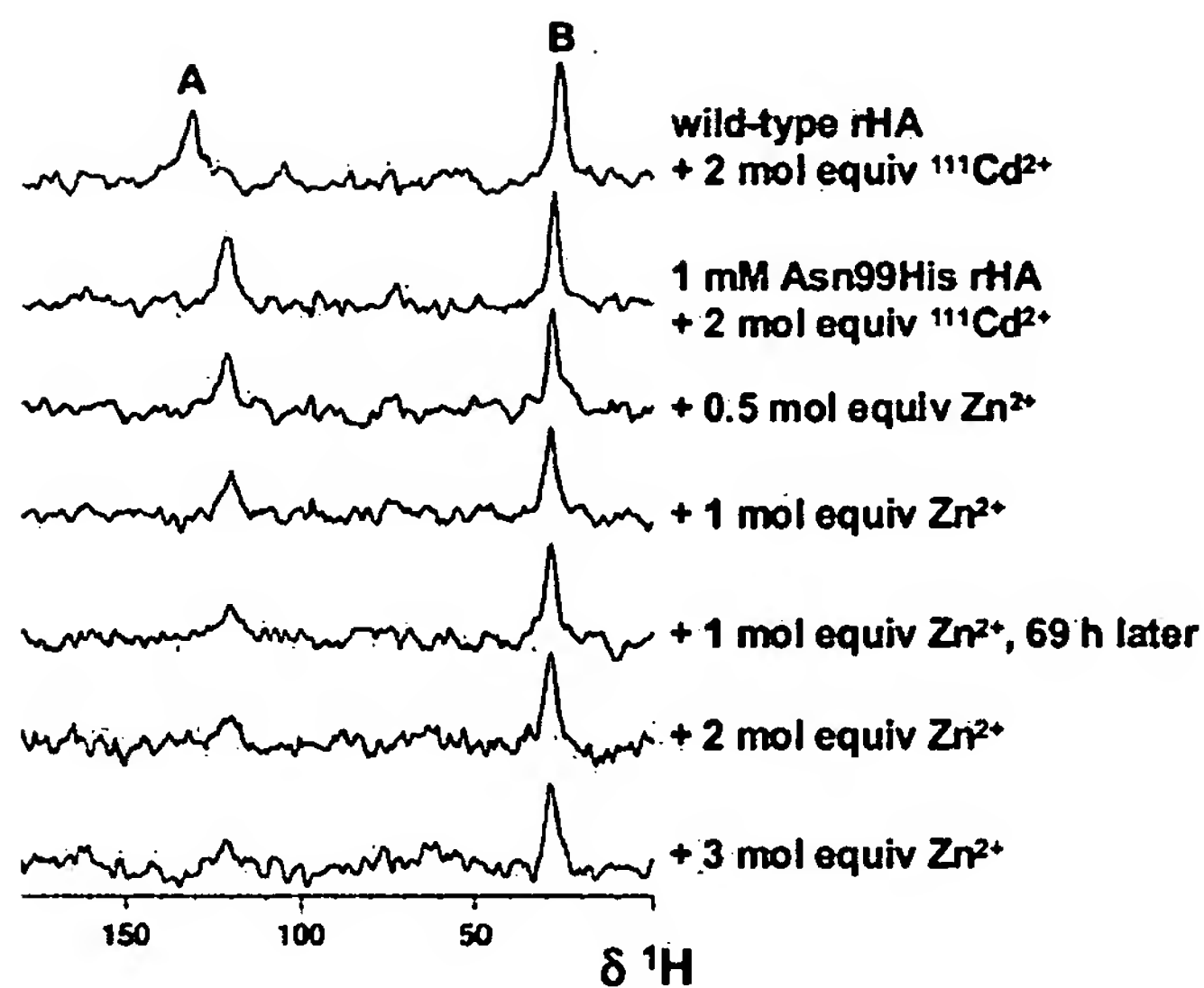


Figure 10

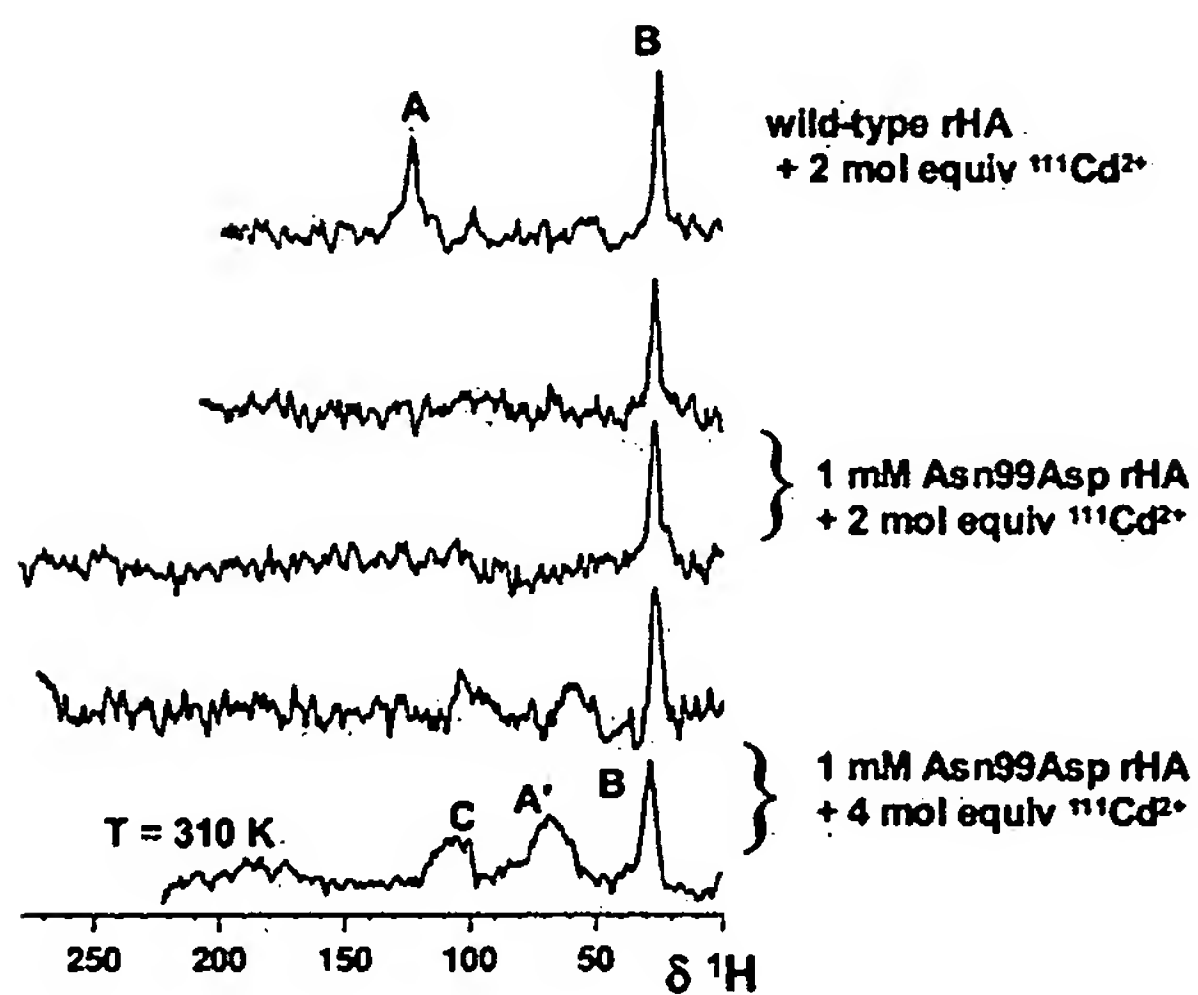


Figure 11

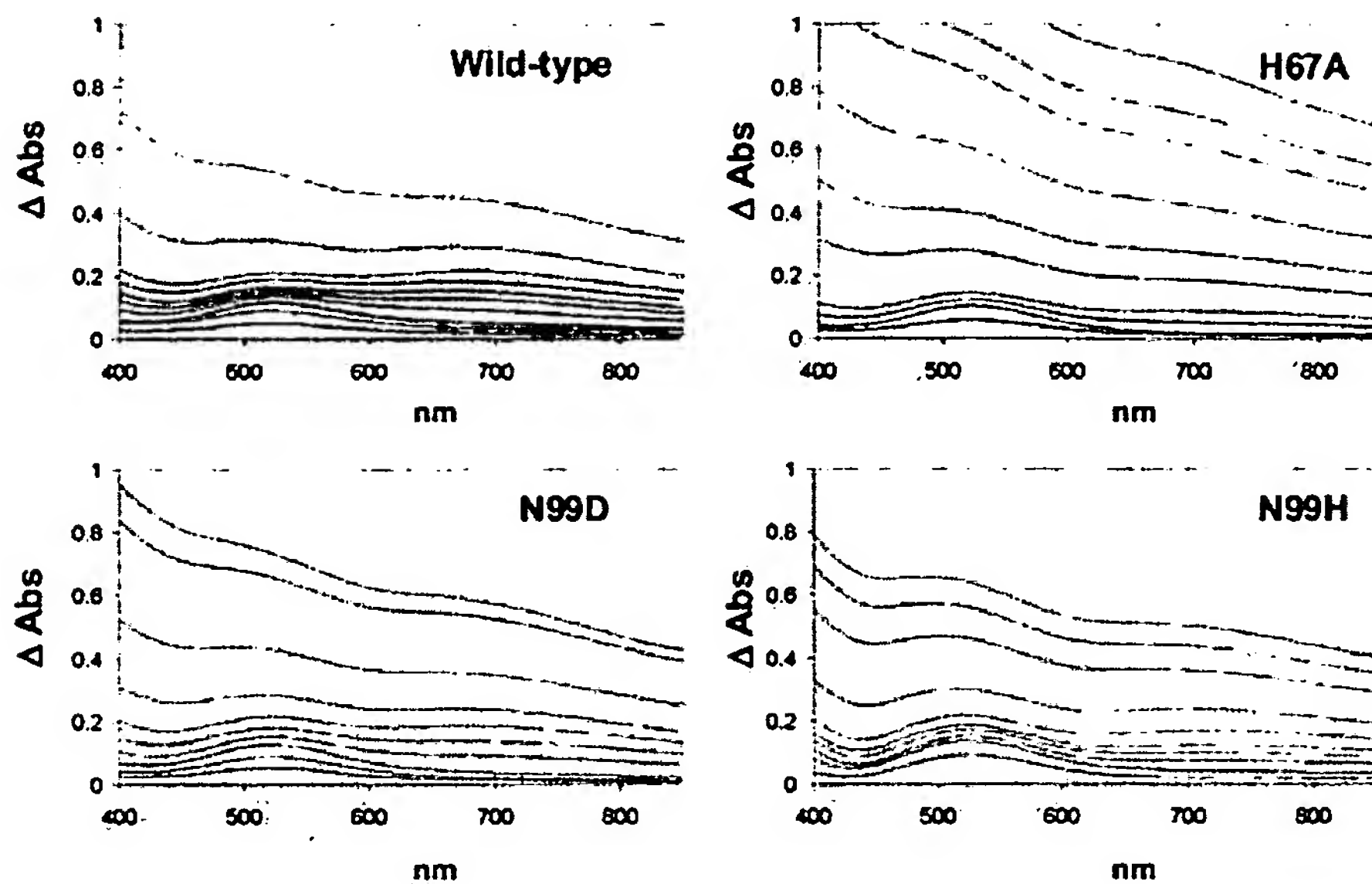


Figure 12

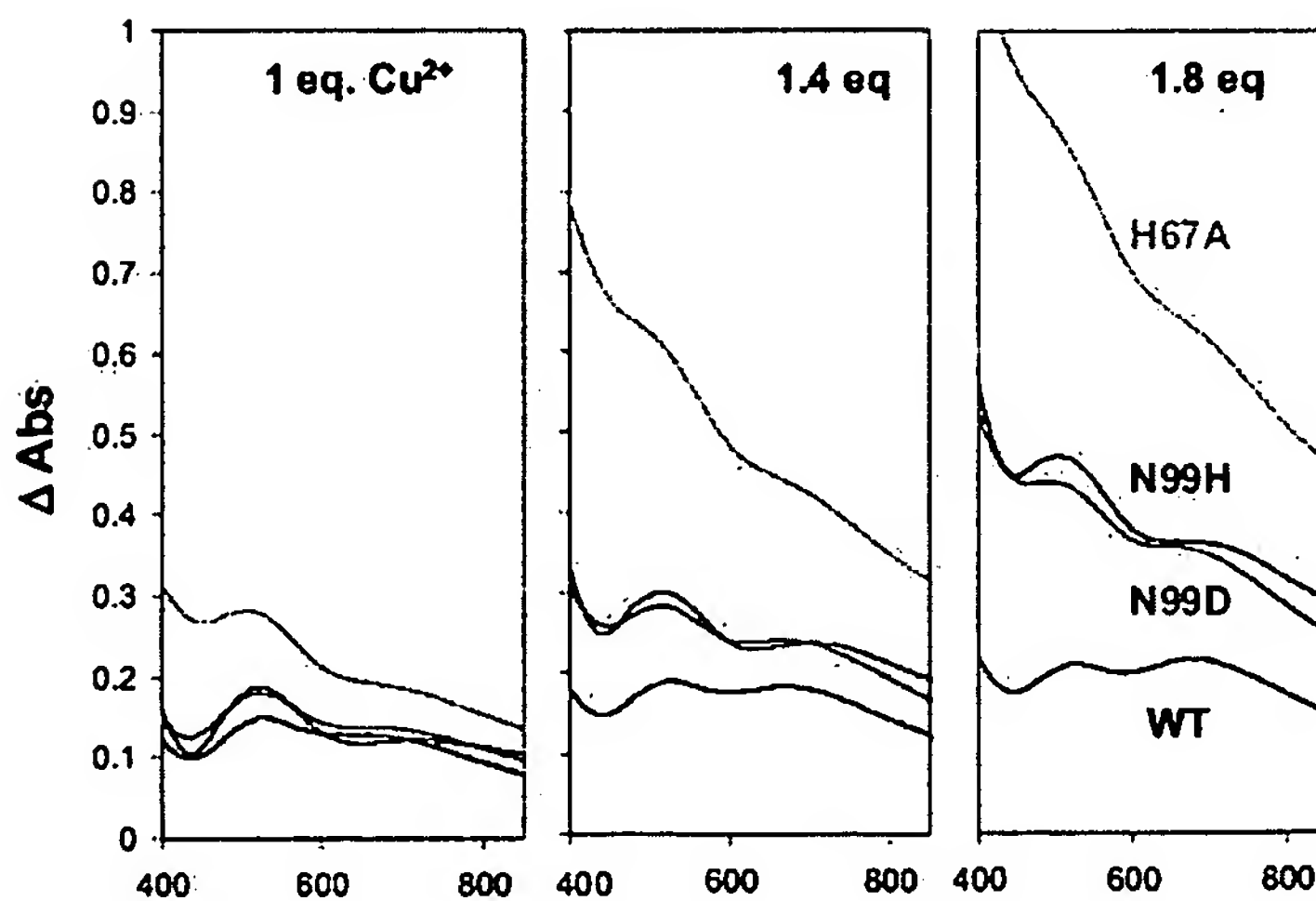


Figure 13

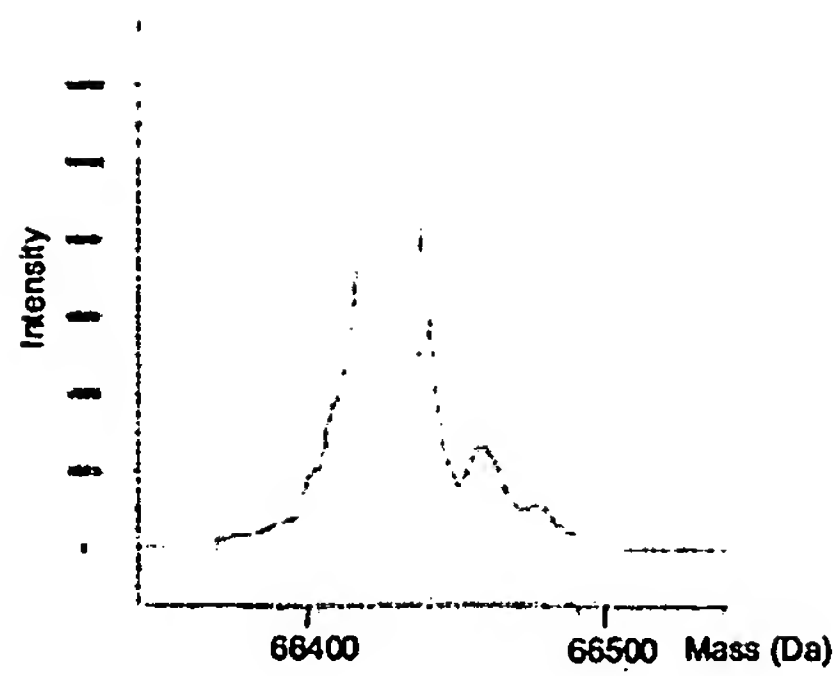


Figure 14

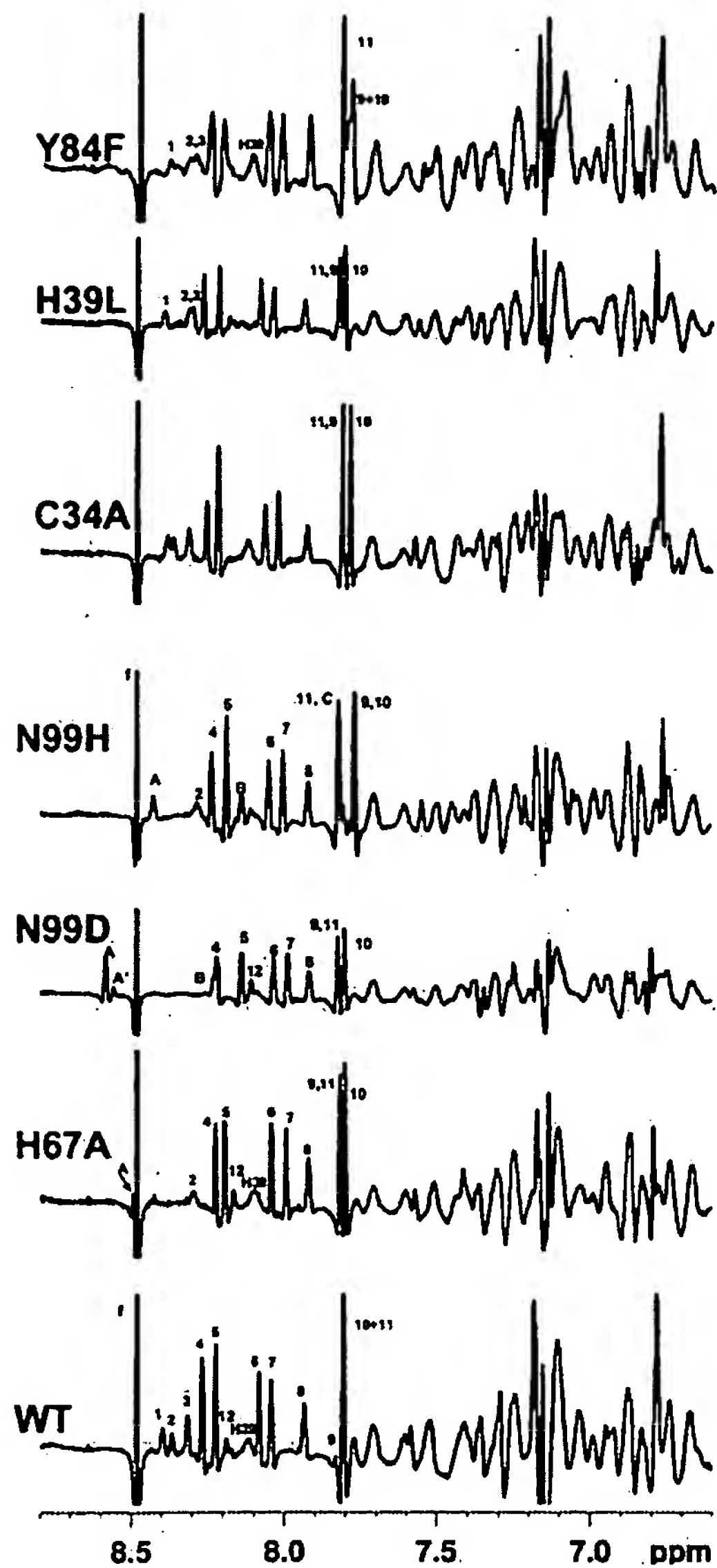
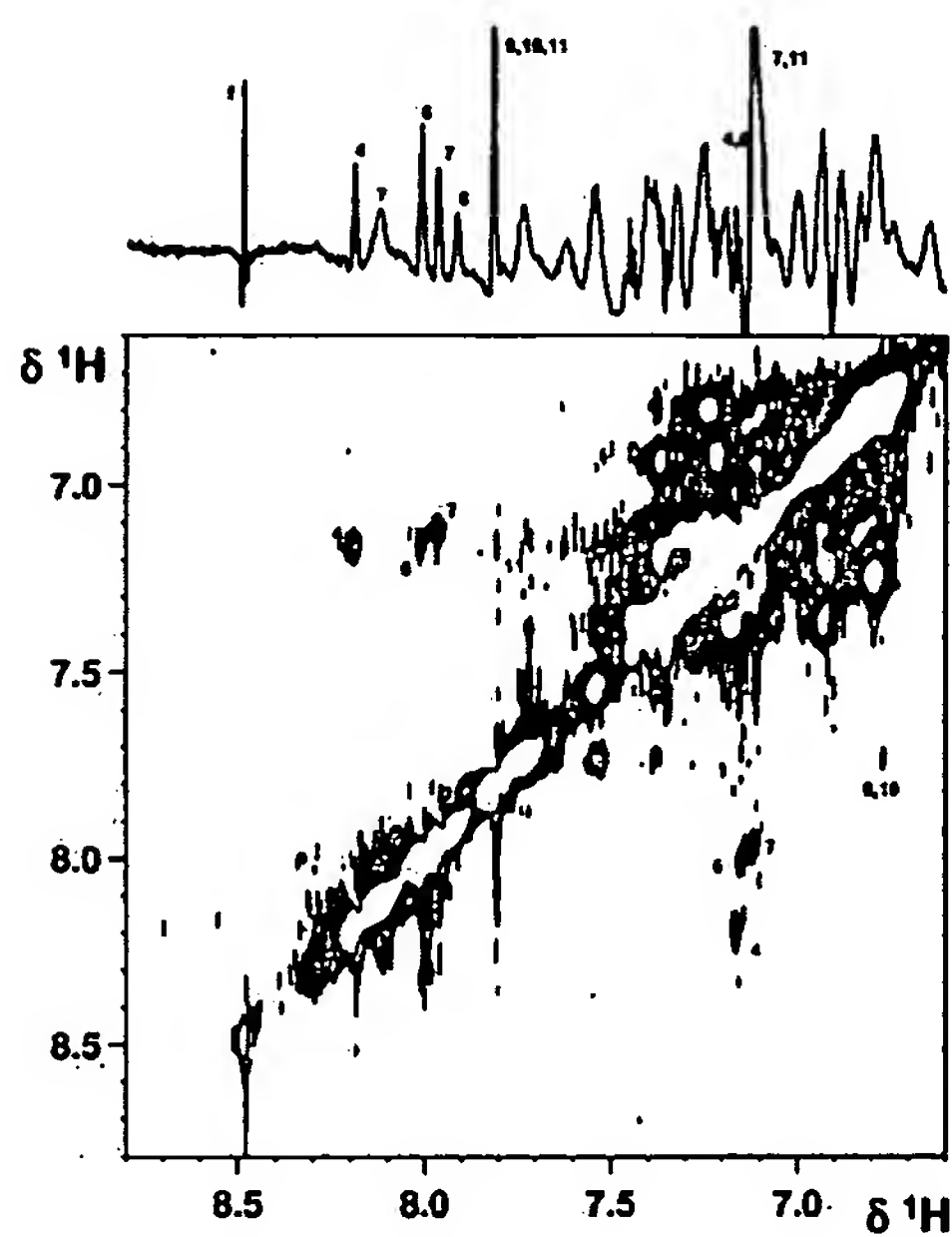


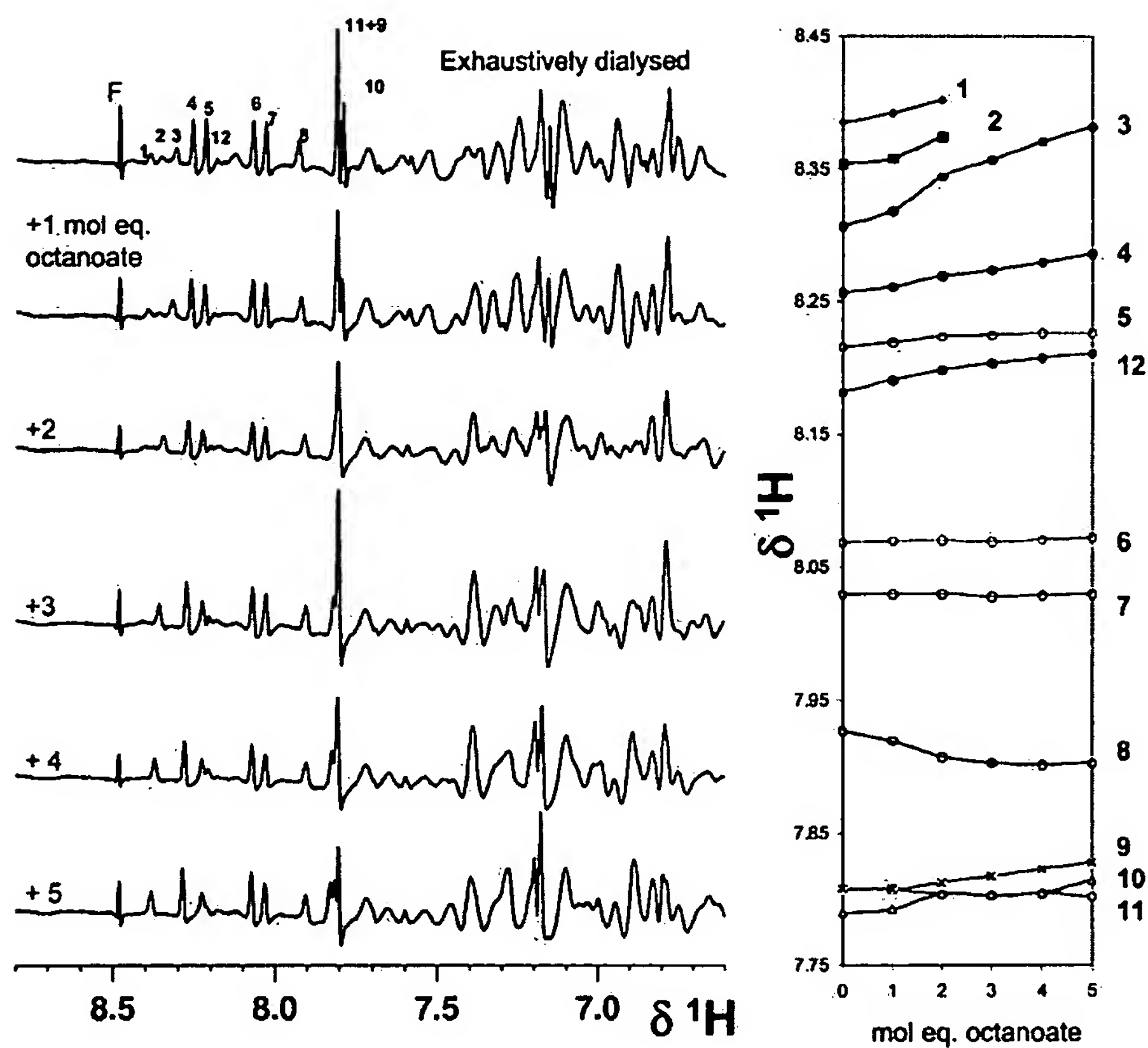
Figure 15



a

b

Figure 16



a

b

Figure 17a

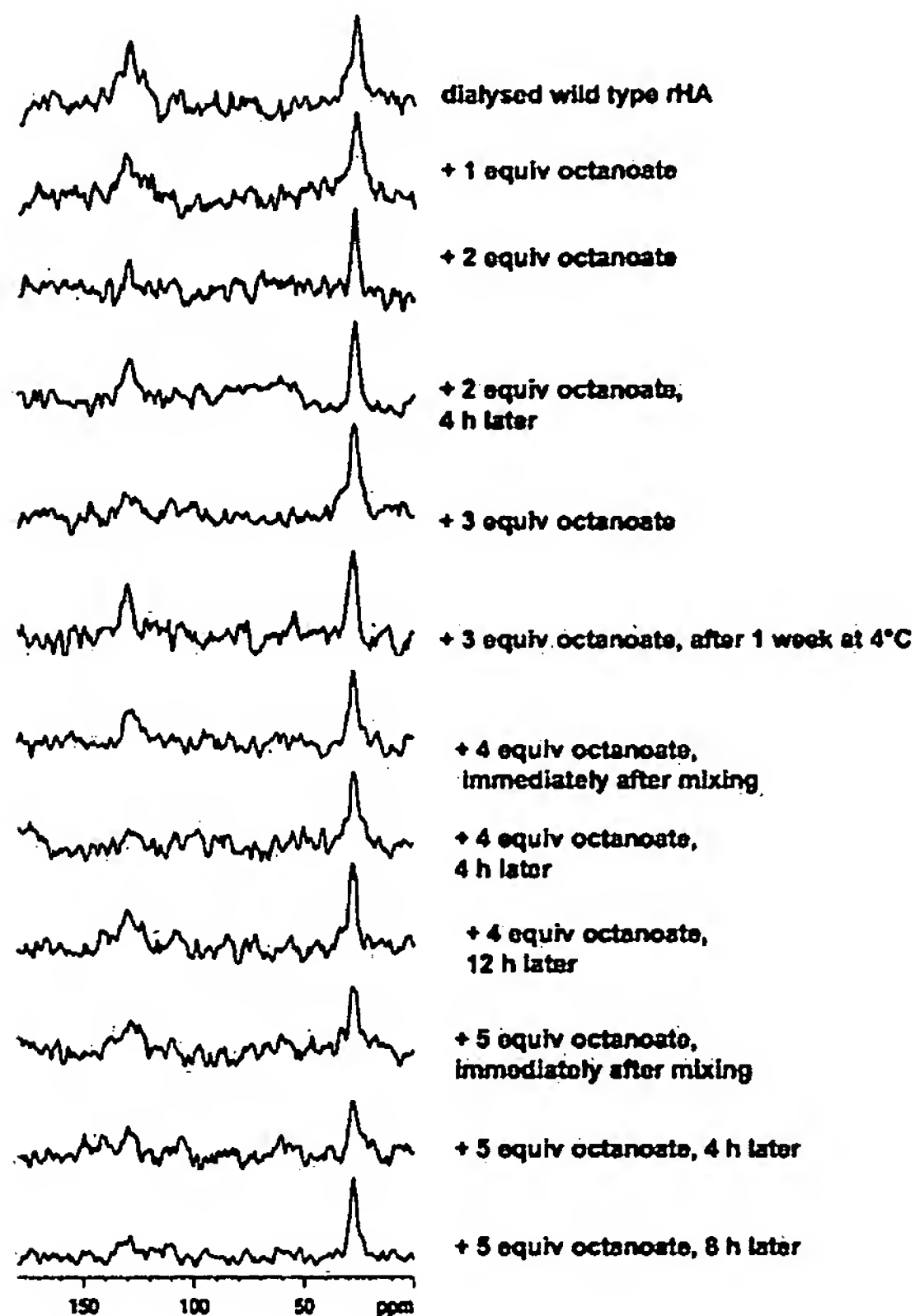


Figure 17b

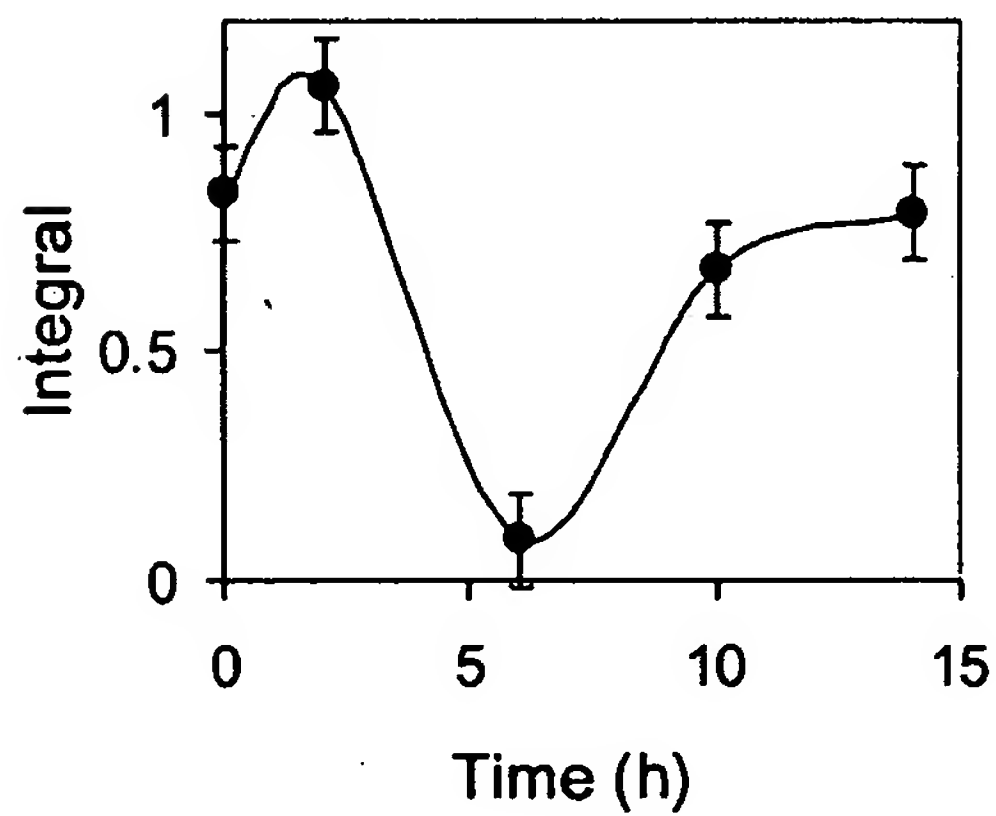


Figure 18a

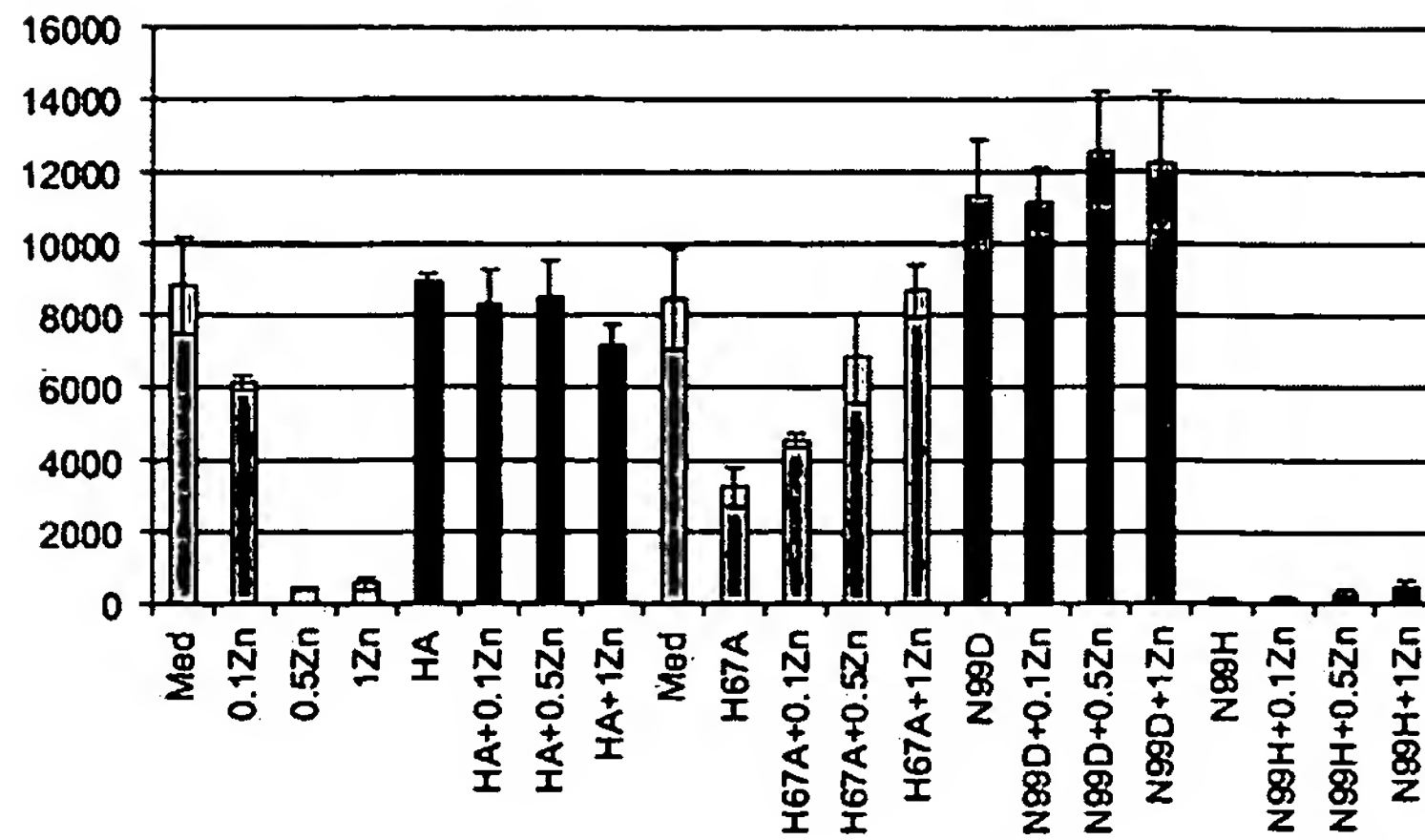


Figure 18b

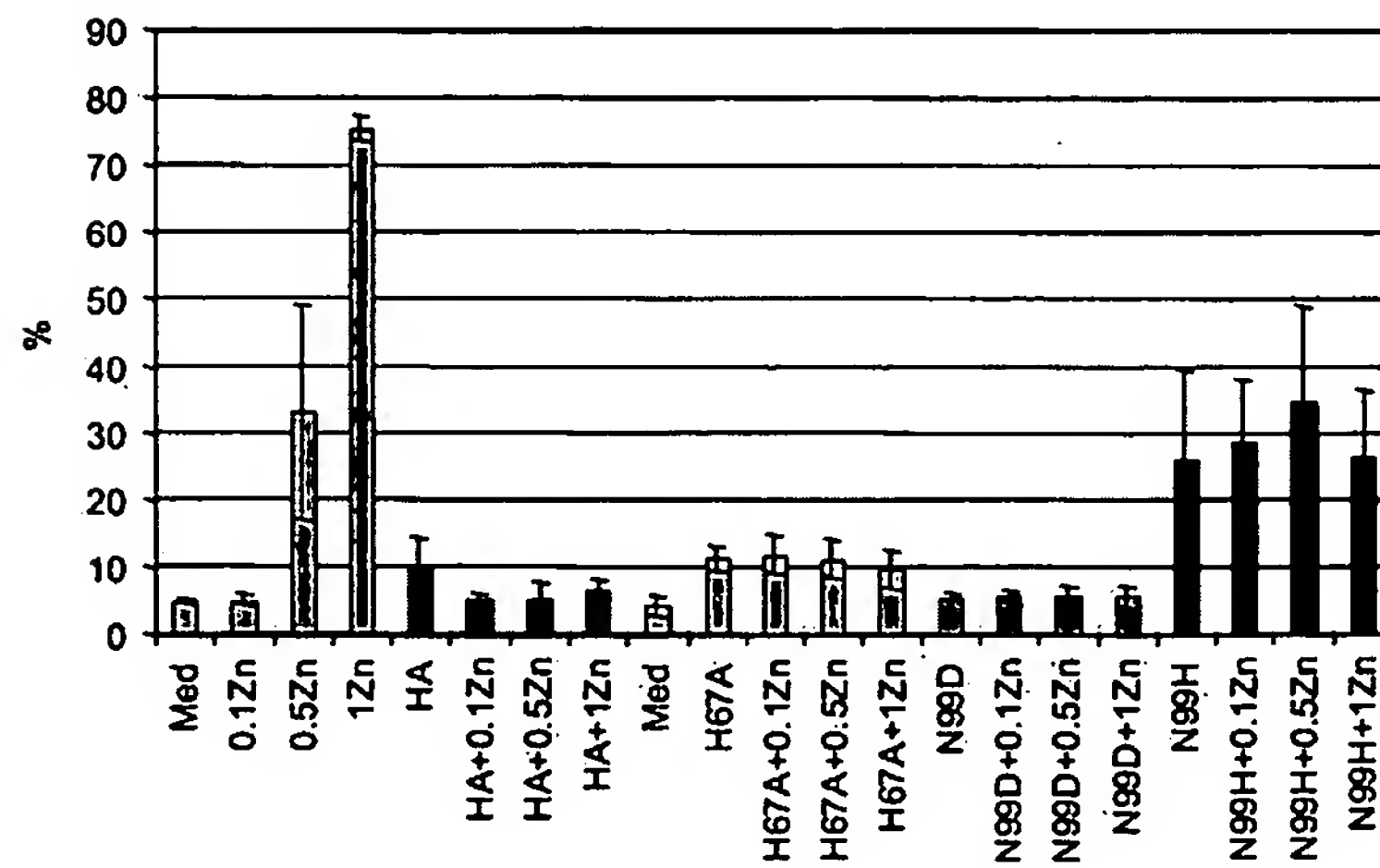


Figure 18c

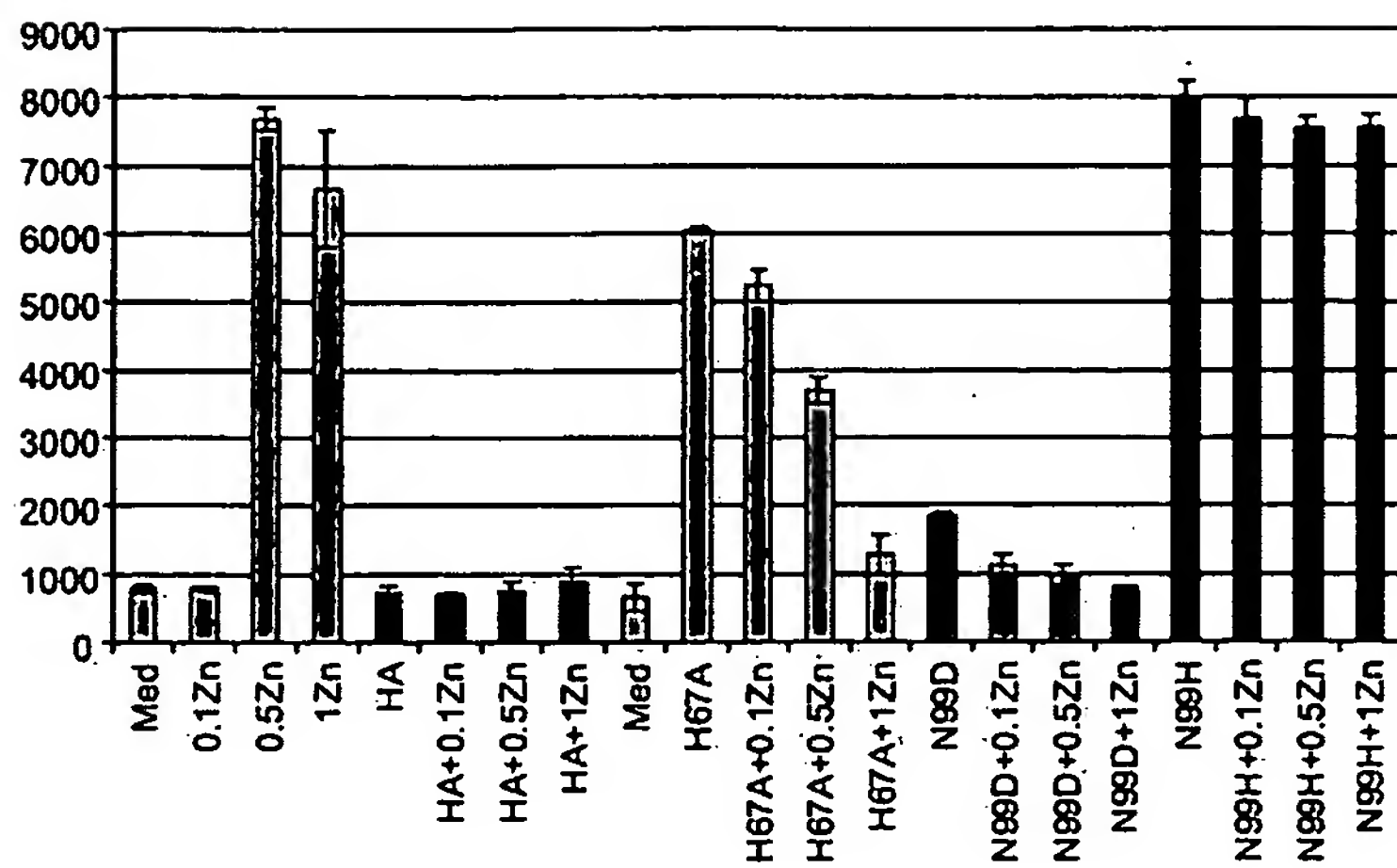


Figure 18d

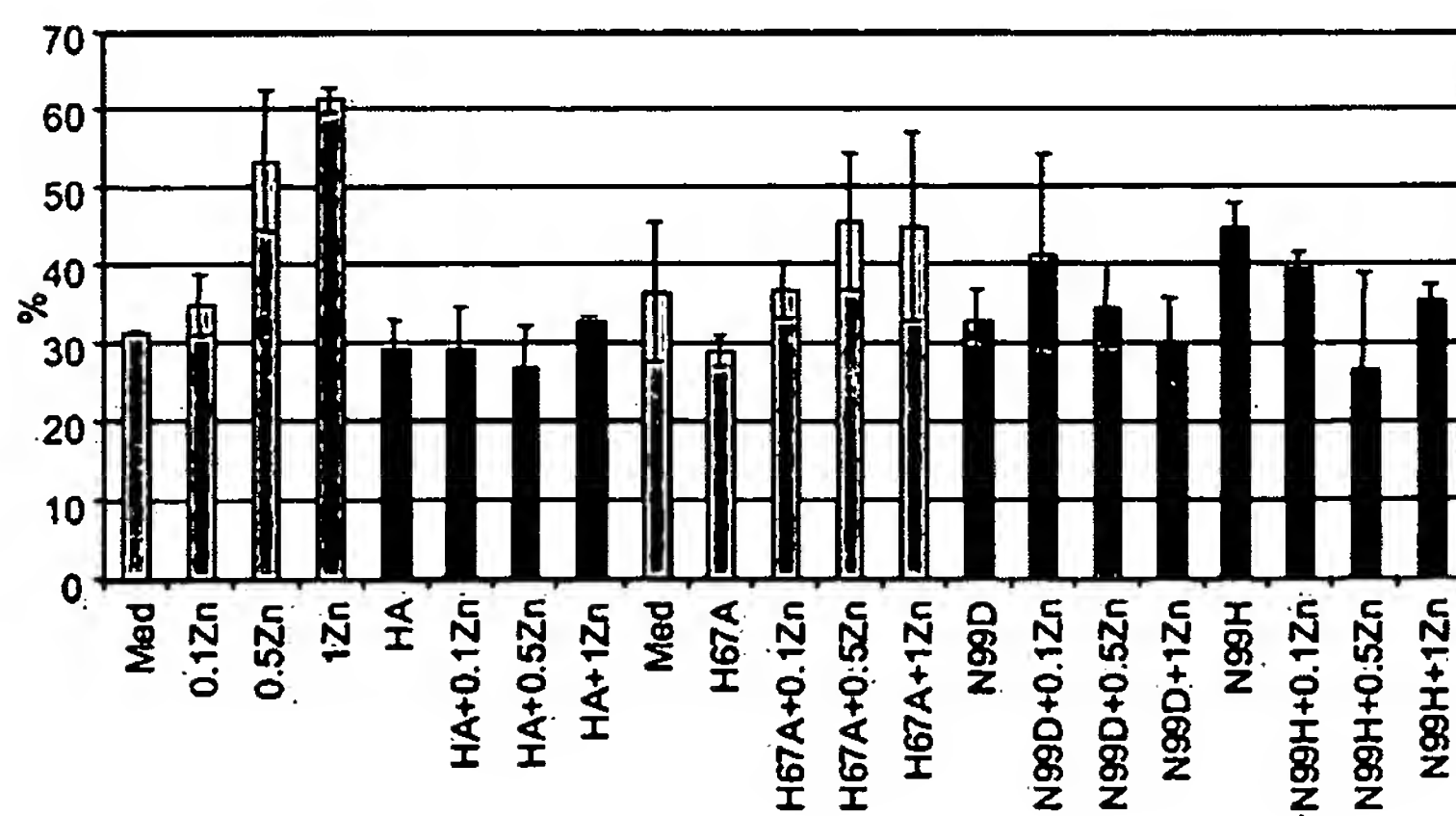


Figure 19

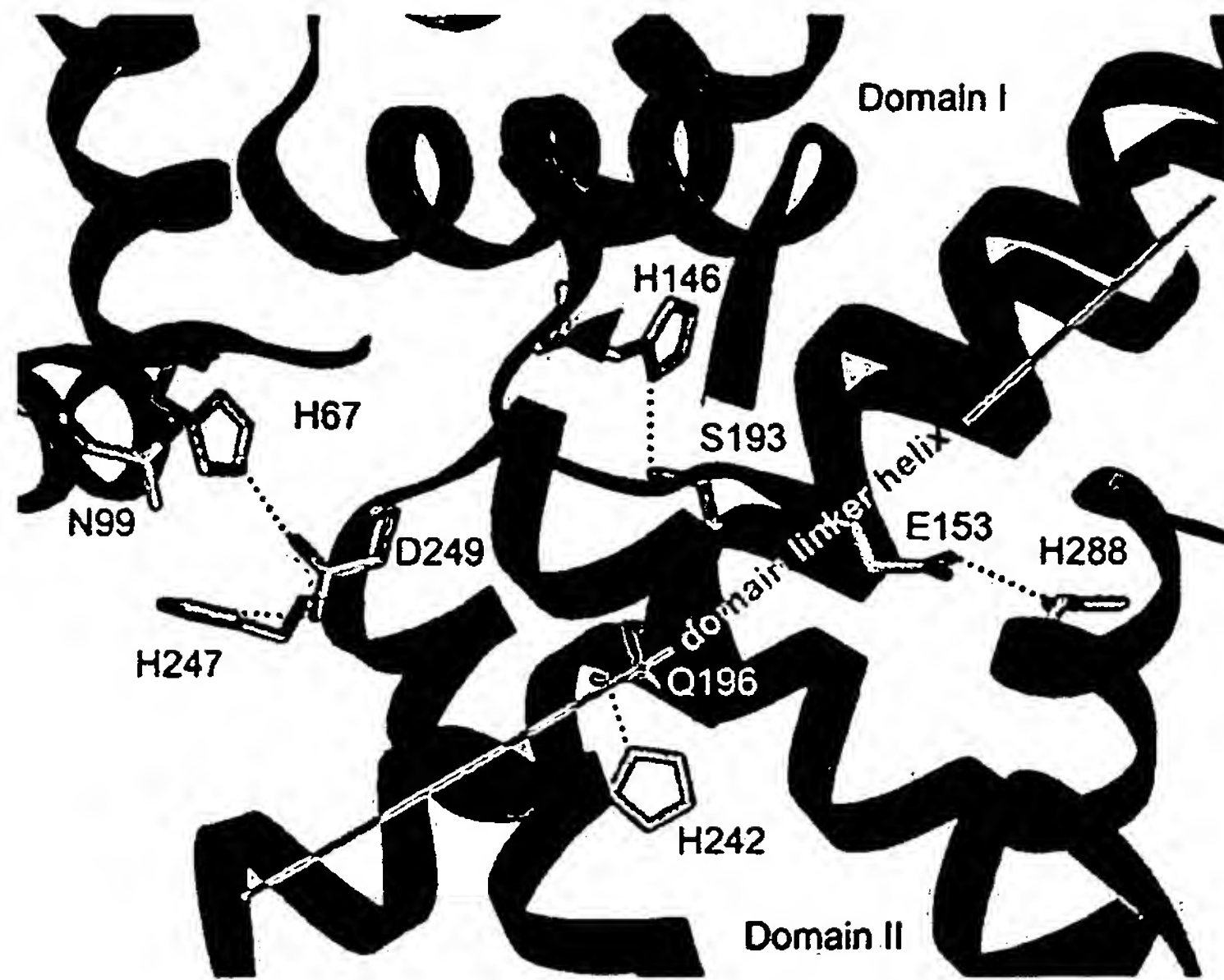


Figure 20a

Species	Sequence	Position
HUMAN	ECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLYEYAR	360
MACAQUE	ECCDKPLLEKSHCLAEVENDEMPADLPSLAADYVESKDVCKNYAEAKDVFLGMFLYEYAR	352
CANINE	ECCDKPVLEKSQCCLAEVERDELPGDLPSLAADFVEDKEVCKNYQEAKDVFLGTFLYEYSR	360
FELINE	ECCGKPVLEKSHCISEVERDELPAIDLPLAVDFVEDKEVCKNYQEAKDVFLGTFLYEYSR	360
BOVINE	ECCDKPLLEKSHCIAEVEKDAIPENLPPLTADFAEDKDVCKNYQEAKDAFLGSFLYEYSR	359
SHEEP	ECCDKPVLEKSHCIAEVDKDAVPENLPPLTADFAEDKEVCKNYQEAKDVFLGSFLYEYSR	359
PIG	ECCDKPLLEKSHCIAEAKRDELPADLNPLEHDFVEDKEVCKNYQEAKDVFLGTFLYEYSR	357
RABBIT	ECCDKPILEKAHCIIYGLHNDEDTAGLPAAVEEFVEDKDVCKNYEEAKDLFLGKFLYEYSR	360
RAT	ACCDKPVLOKSQCCLAETEHDNIPADLPSIAADFVEDKEVCKNYAEAKDVFLGTFLYEYSR	360

Figure 20b

HUMAN	AASQAALGL	609
MACAQUE	AASQAALA-	600
CANINE	AAAQAALV-	608
FELINE	AAAQAALA-	608
BOVINE	VSTQTALA-	607
SHEEP	ASTQAALA-	607
PIG	IEIRGILA-	605
RABBIT	ESSKATLG-	608
RAT	ARSKEALA-	608